

**REPORT OF ACTIVITIES  
OF THE  
DEPARTMENT OF WATER RESOURCES**

**By**

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\*Presented before the Central Valley Flood Protection Board on October 28, 2010

## **FUNCTIONAL AREA 1 FLOOD EMERGENCY RESPONSE**

*The Flood Emergency Response functional area includes work to better prepare for, respond to, and recover from flood emergencies. A program for flood emergency response is a necessary part of flood management because California will always face flood emergencies, even when system improvements reduce the frequency of flooding. Program activities include inspection and assessment of flood projects' integrity; reservoir operations and river forecasting; flood data collection, management, and dissemination; precipitation and runoff forecasting; Delta flood preparedness, response, and recovery; and statewide flood emergency response functions.*

### **REAL-TIME FLOOD CONDITIONS, STATUS, & WARNING**

*The purpose of the Real Time Flood Conditions, Status, and Warning element is to provide information needed to manage floods as they are occurring. This element supports flood operations by 1) inspecting, documenting, and assessing the integrity of the Sacramento and San Joaquin Flood Control Project levees, 2) storing and managing information so that it is accessible to flood managers and the general public, 3) providing emergency flood information and warnings based upon existing and forecasted conditions and field reports, and 4) developing information management tools to support emergency operations.*

No new information.

### **CLIMATE DATA COLLECTION & PRECIPITATION/RUNOFF FORECASTING**

*This Element supports Flood Emergency Response by providing information on current and forecasted water conditions, and by providing meteorological and climate information. Additionally, this Element includes evaluating and improving the data collection and exchange network and forecasting models, providing water supply and watershed runoff information and forecasting, and the development of a new generation of forecasting and data collection tools to improve the quality, timeliness, and length of watershed and river forecasts. Real-time data, its timely availability, and quantities and quality are all critical to improving forecasting quality and timeliness.*

**Water Conditions:** As of September 30, 2010, end of Water Year 2010, statewide hydrologic conditions were as follows: precipitation, 110 percent of average to date; runoff, 90 percent of average to date; and reservoir storage, 105 percent of average for the date. Sacramento River unimpaired runoff observed through September 30, 2010 was about 15.9 million acre-feet (MAF), which is about 86 percent of average. For comparison, on September 30, 2009, the observed Sacramento River unimpaired runoff through that date was about 13.0 MAF, or about 70 percent of average.

In contrast to the cool spring and summer of this year, September had near normal temperatures. On September 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 53.6 inches, which is about 107 percent of an average water year (50.0 inches). During September, the precipitation total for the 8-Stations was 0.3 inches, or about 33 percent of average. Last year on September 30, the Water Year total for the 8-Stations was 46.7 inches, or about 93 percent an average water year.

On September 30, the San Joaquin 5-Station Precipitation Index Water Year total was 44.7 inches, which is about 110 percent of an average water year (40.8 inches). There was almost no precipitation during September. Last year on September 30, the seasonal total for the 5-Stations to date was 38.9 inches, or about 95 percent of an average water year.

Selected Cities Precipitation Accumulation as of 9/30/2010 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2010 - 2010 (in inches)	% Avg	Jul 1 to Date 2009 - 2009 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2010 - 2011
Eureka	1.58	113	1.11	79	4
Redding	0.47	63	0.12	16	1
Sacramento	0.01	2	0.14	30	0
San Francisco	0.01	3	0.27	90	0
Fresno	0.00	0	0.01	4	0
Bakersfield	0.00	0	0.01	4	0
Los Angeles	0.00	0	0.00	0	0
San Diego	0.05	15	0.00	0	0

Key Reservoir Storage (1,000 AF) as of 9/30/2010								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,558	1,700	92	2,448	64	---	890
Shasta Lake	Sacramento	3,319	2,810	118	4,552	73	-1,233	1,233
Lake Oroville	Feather	1,755	2,252	78	3,538	50	-1,595	1,783
New Bullards Bar Res	Yuba	625	590	106	966	65	-285	341
Folsom Lake	American	624	558	112	977	64	-353	353
New Melones Res	Stanislaus	1,276	1,331	96	2,420	53	-997	1,144
Don Pedro Res	Tuolumne	1,660	1,363	122	2,030	82	-112	370
Lake McClure	Merced	680	509	134	1,025	66	-172	345
Millerton Lake	San Joaquin	247	203	122	520	48	-273	273
Pine Flat Res	Kings	357	348	103	1,000	36	-643	643
Isabella	Kern	170	184	92	568	30	-134	398
San Luis Res	(Offstream)	789	993	79	2,039	39	---	1,250

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather precipitation outlook for October 2010, issued September 30, 2010, suggests below average rainfall for almost all of California, and no tendency for above or below average rainfall for the extreme southeastern portion of the State.

Information on current conditions can be accessed through the California Data Exchange Center (CDEC) at the following locations:

Reservoirs: <http://cdec.water.ca.gov/reservoir.html>

Individual Reservoirs: [http://cdec.water.ca.gov/reservoir\\_map.html](http://cdec.water.ca.gov/reservoir_map.html)

Precipitation: [http://cdec.water.ca.gov/snow\\_rain.html](http://cdec.water.ca.gov/snow_rain.html)

Snow: <http://cdec.water.ca.gov/snow/current/snow/>

**Snowmelt & Seasonal Volume Runoff Forecasting:** Progress continued on the development of the various Precipitation Runoff Modeling System (PRMS) models. The upgrade of the existing PRMS Feather model is going well and is currently focused on test recalibrations of the Frenchman and Davis watersheds to see how a further refined model will improve forecast quality. Lessons learned from these test calibrations will then be applied to the rest of the Feather watershed. The PRMS Yuba model is being finalized by the USGS and will go into testing mode soon. The PRMS Merced model development has started with climate, full natural flow (FNF), and GIS data being compiled.

**Snow Surveys and Snow Course Maintenance:** The Snow Surveys section continues in summer snow course maintenance mode and working closely with the U.S. Forest Service (USFS) on the renewal of permits for several snow courses in the Sierra Nevada. A reduced budget for snow course maintenance and staff shortages has led to neglect of snow course maintenance. Most notably is the growth of large trees in areas typically used as helicopter landing zones. These trees are now considered large enough to require extra permitting from the USFS prior to their removal. The furloughs and unsigned state budget have greatly slowed down progress on course maintenance because of the limited travel and overtime abilities.

**Hydrologic Data Management:** The Snow Surveys section continues to collect, review, quality control, and enter FNF, precipitation, snow, and reservoir storage data for thousands of locations statewide on a daily basis. With this data staff continues to issue daily, monthly, and seasonal water condition reports on CDEC.

**Bulletin 120 and Water Supply Index Forecasts:** All of the previous 80 years of Bulletin 120 have been scanned and will soon be available for viewing in PDF form on the Snow Surveys website on CDEC. The first Bulletin 120 was published in 1930 and has continued to be published several times each winter and spring since. The availability of these historic bulletins on CDEC is a tremendous step towards the ultimate goal of having a searchable database of all historic Bulletin 120 forecast information. Access to data and tools like this on CDEC greatly substantiates one aspect of the important public service that DWR provides.

**Hydro-Climate Analyses:** Meetings have been held with principal investigators and work has begun for the University of California Task Orders for studies supporting climate change hydrology effort. The Central Valley Flood Protection Plan Climate Change Technical Work Group has finalized their report and it is now available online through the Central Valley Flood Project Office. Results of this effort will be incorporated into the Central Valley Flood Protection Plan. The State Climatologist presented a talk on climate and climate change expectations at the DWR Environmental Scientist Workshop on September 22<sup>nd</sup>.

**Real-Time Data Collection Network:** Soil moisture sensor installations are moving forward with the goal of having four DWR/Scripps sites of Hydro Meteorological Test bed (HMT) sensors installed by October 2010. Weather issues at the higher elevations may impact installation schedule. Coordination between NOAA, DWR and Scripps continues as this project moves forward. Snow monitoring sensors have been purchased as part of the enhanced monitoring activity in the American River watershed supporting climate change hydrology and other water and resource management studies. Work is being performed by the University of California Merced.

### **RESERVOIR OPERATIONS & RIVER FORECASTING**

*This element supports Flood Emergency Response through a coordinated effort with various agencies' operating reservoirs in the system to enhance reservoir operations. The goal of coordinated operation of the reservoirs will be to reduce peak flood flows downstream of the reservoirs. Additionally, this Element supports Flood Emergency Response through river forecasting activities conducted in coordination with the National Weather Service River Forecast Center located at the Joint Operations Center in Sacramento. By conducting real-time and long-range hydrologic and watershed analyses, this Element provides accurate and timely runoff and river peak flow forecasts.*

**Reservoir Forecast Coordinated Operations (F-CO):** Joint Yuba/Feather F-CO, Flood Operations Center Functional Exercise held on October 6, 2010 at the Joint Operations Center. Morning and afternoon synthetic hydrology scenarios provided to reservoir operators (Oroville and New Bullards Bar), the Reservoir Coordinated Operations staff, and the U.S. Army Corps of Engineers for review and coordination. An after action report is being prepared.

### **FLOOD OPERATIONS EMERGENCY RESPONSE**

*This element includes all preparation and planning to execute flood fights, deploy teams, provide training, and coordinate local response needs and federal assistance in the event of a flood. This includes maintaining the readiness of the Flood Operations Center and all the staff that may have to staff it in the event of an emergency and assuring local response efforts can be integrated into the State response system.*

No new information.

### **EMERGENCY RESPONSE - RELATED ELEMENTS**

*This element includes various efforts that will further the Departments understanding of the flood system interactions with water supply systems and conjunctive use programs. It also includes the update of the Central Valley hydrology for use in risk assessment and project development. Another component includes developing a comprehensive plan to response to flood events in the Delta.*

**Central Valley Hydrology Study (CVHS):** The CVHS has developed a series of technical memos to provide additional detail to the analyses being conducted in the process of developing the CVHS datasets for use with FloodSAFE activities including floodplain delineation modeling. These Technical Memos have been posted to the Study information sharing forum ([cvhydrology.org](http://cvhydrology.org)).

Significant accomplishments over the last month include:

- Draft technical memos are complete and have been submitted to DWR and the Hydrologic Advisory Committee for review.
- USGS/Cornell/Corps have completed the analysis portion of regional duration skew study. Review of manuscript by Corps is complete. Review of manuscript by USGS is underway.
- Review of reservoir/hydrologic (HEC-ResSim) models for consistency with water control manuals has been completed. Review of models by HEC for application of best modeling practice is to take place in first two weeks of November.

**System Re-Operation:** The DWR feasibility study for system re-operation is being conducted by the Statewide Integrated Water Management Division with participation from the Division of Flood Management. A contract for services support for this effort has been finalized with a consultant and initial meetings have been held to scope out tasks. In addition, the State Climatologist presented a talk on System Re-Operation at the Bay Delta Science Conference on September 29th. Attending other talks provided the State Climatologist with the opportunity to identify management tools and strategy that may have application within the Division of Flood Management and make contact with other scientists and agency personnel whose work relates to activities in the Division.

## **FUNCTIONAL AREA 2 OPERATIONS AND MAINTENANCE**

*Operations and Maintenance is a functional area under FloodSAFE established to ensure project facilities are operated and maintained in good working condition to function as designed. Although Operation and Maintenance has been a long-standing base program within DWR, FloodSAFE has expanded the program and provided additional funding. Historically, Operation and Maintenance projects were undertaken based on a backlog of deferred maintenance. Now, in addition to continuing to work on deferred maintenance, new projects are identified through a number of inspection programs. Operation and maintenance must continue indefinitely into the future, even after the FloodSAFE functional objectives have been achieved although the needs are expected to change over time as system upgrades and modifications are implemented.*

### **CHANNEL MAINTENANCE**

*DWR is responsible for maintaining channel flow capacity for Sacramento River Flood Control Project channels and for performing channel-specific maintenance activities identified in the USACE Operations and Maintenance Manuals, including channel clearance if required to maintain design flow capacity. Channel Maintenance consists of inspection and evaluation, routine operations and maintenance, and implementation of corridor management projects.*

- The Sutter Maintenance Yard is 30% complete and the Sacramento Maintenance Yard is about 70-80% complete with channel clearing and vegetation control activities.
- Clean-up of debris, beaver dams and rodent damage, and downed vegetation in Cache Creek is complete.
- Grading of toe roads by Sacramento Maintenance Yard is on-going.
- The Sycamore Creek Sediment Removal Project, which involves removing approximately 50,000 cubic yards of sediment from 4,700 feet of channel, is expected to complete by November 1, 2010.
- The environmental restoration contract for the Sycamore Creek Sediment Removal Project has been awarded with work is anticipated to occur between March and June 2011.
- Sutter Yard initiated pumping plant operations in September due to rice field drainage resulting in temporary high water levels. Water levels have receded and have returned to gravity flow operation.

### **FLOOD FACILITIES OPERATION AND MAINTENANCE**

*DWR operates, maintains, and repairs or replaces flood control structures located throughout the Sacramento River Flood Protection Project to ensure readiness in the event of emergencies and that facilities function as designed. Actions include inspection and evaluation, routine operation and maintenance, and non-routine maintenance. Facilities include pumping plants that transfer runoff and excess water from the land-side of levees in the flood system to flood channels; bridges providing access over and to flood facilities; flow gages; and water control structures such as weirs.*

- Construction of the Sutter Bypass East Borrow Canal Willow Slough Weir Fish Ladder and Culverts Replacement Project is continuing and anticipated to be complete by end of October. Applicable environmental permits for in-water work have been amended to extend the permissible work period to end of October.
- The construction contract to modernize the Sutter Bypass Pumping Plants motor controls was advertised on September 9, 2010.
- Advertisement of the construction contract for the replacement of Sutter Bypass East Borrow Canal Weir 2 has been delayed.
- Maintenance and debris removal activities are continuing at the Knights Landing Outfall Gates and the Butte Slough Outfall Gates.
- Minor repairs began on the Sacramento Weir's concrete structure and the wooden stop logs. The repairs were delayed by the stalled passage of the FY 2010/11 state budget.

### **LEVEE MAINTENANCE**

*This element maintains levees and roads under DWR jurisdiction (State-maintained Maintenance Areas and bypasses) in accordance with USACE Operations and Maintenance Manuals. Annually, after high water recedes, levees are evaluated and repairs are made as necessary. Routine and extraordinary maintenance are also performed as necessary to meet maintenance assurances provided to the federal government.*

- Mowing and/or burning of the 293 miles of DWR maintained levees is 100% complete and dragging levee slopes is 95% complete.
- Construction on the Levee Roads Rehabilitation Project, which includes grading and compacting of crown roadways, tree maintenance, fireguarding, replacing/repairing gates, and rodent control, is 95% complete.

### **ENVIRONMENTAL INITIATIVES**

*DWR is responsible for planning projects in a way that avoids or minimizes environmental impacts, and for obtaining state and federal environmental permits and clearances for projects within the Operations and Maintenance Functional Area. Environmental Initiatives touches all aspects of this functional area and therefore is considered a close partner to the other maintenance elements and their activities. As such, it should be considered a part of each of the other major elements rather than a stand-alone element. Also, with DWR's established open collaborative process, various local, state, and federal agencies examine issues and develop integrated solutions to the complex environmental compliance requirements and resource opportunities as flood control maintenance activities are undertaken. Components include developing and managing environmental programs, and managing mitigation requirements for lands and habitats developed or acquired by the Department to mitigate for flood management maintenance and improvement projects.*

- The State Lands Commission approved a lease for the MA 9 area Pocket Area, Sacramento River), a requirement for two levee repairs DWR plans to conduct in the area.



## **LEEVE REPAIRS**

*The Levee Repairs Program repairs critically damaged levees and proactively repairs other damaged levees that cannot wait for system improvement projects and require rapid repair before the next flood season. Levee repair projects are implemented through collaboration with federal and state resource agencies, USACE, and local agencies. Levee repairs are done under three federal authorized programs; Sacramento River Bank Protection Project (SRBPP), Levee Stability Program (LSP), and PL84-99 Rehabilitation Assistance Program (PL84-99). In addition, the State repairs flood project levees under the Sacramento-San Joaquin Erosion Repairs Project (SSJERP).*

- Notice to Proceed for levee repairs to the Sacramento River Site at River Mile 42.7, SAC RM 42.7, was issued on October 1 to James Fisher Jr. Excavating.
- The 2010 Annual Reconnaissance Surveys for the damaged sites in the San Joaquin River Flood Control System are complete.
- The Project Summary Report for construction of setback levees at four sites on Cache Creek (LM2.8, LM 3.4, LM 3.9, and LM 4.2), has been prepared.

### **FUNCTIONAL AREA 3 FLOODPLAIN RISK MANAGEMENT**

*The primary purpose of Floodplain Risk Management is to reduce loss of life and property caused by floods and to restore the natural resources and beneficial functions of floodplains by providing comprehensive guidance and technical support and assessing the floodplain management needs and issues of California communities in order to promote a comprehensive and system-wide flood management strategy.*

#### **FLOODPLAIN MANAGEMENT TECHNICAL SUPPORT**

*Floodplain Management Technical Support provides statewide technical support to federal, state and local agencies, and the public for flood hazard maps, levee data and National Flood Insurance Program (NFIP) activities, including the Community Rating System (CRS).*

Community Rating System Program, Phase 2, Updates

- A draft CRS Quick Check screening tool is being developed for communities interested in joining the program.
- A program brochure aimed at elected officials is being developed.
- Templates are being prepared to help participating communities increase their public information credit points.
- Program staff will assist FEMA during the L-278 CRS 4-day training class scheduled for October 24 - 28 in Stockton.

#### **FLOODPLAIN EVALUATION AND DELINEATION**

*Floodplain Evaluation and Delineation works to estimate the frequency, depth, and limits of potential flooding throughout the state providing building blocks in terms of floodplain assessments, standards, methodologies, tools, and analyses supporting multiple applications including FloodSAFE programs and projects and FEMA's National Flood Insurance Program.*

The Alluvial Fan Floodplain Evaluation and Delineation Program, an outgrowth of the Alluvial Fan Task Force recently completed by DWR in southern California, is finalizing a methodology to delineate flood and sediment boundaries for alluvial fans in 10 southern California counties. This methodology utilizes the "best available" information on rainfall/hydrology, 2 dimensional hydraulic modeling, burn areas delineations, debris loading, geologic mapping, and field observations. The resultant boundaries will be used to identify flood and sediment hazard areas for alluvial fan areas anticipated for future urban growth where no FEMA alluvial fan flood maps currently exist.

#### **FLOOD RISK NOTIFICATION**

*The Flood Risk Notification Element focuses on communicating flood risk to the public, and local, state and federal agencies to increase flood hazard awareness for areas protected by the State Plan of Flood Control.*

On September 10, about 250,000 flood risk notices were mailed out to single property owners in 17 counties living in areas protected by State-Federal levees in the Central Valley. More than 140 questions about the Flood Risk Notice 2010 have been received via phone calls and emails and are being addressed by the Flood Risk Notification Program.

### **FLOOD RISK PLANNING**

*Flood Risk Planning is focused on incorporating flood risk management into statewide and local land use decision making to identify potential flood hazards and mitigation strategies to reduce flood risks through creating planning approaches and data sets that help agencies, communities, and individuals make better informed decisions.*

- The Building Standards Code Update Project held workshops focused on the Access and Functional Needs (Disability) Community with the Educational and Residential (multi-family) Occupancies on September 28 and 30. Workshop attendees provided feedback on Access and Functional Needs issues and challenges associated with the proposal. The October draft code language is being revised in preparation for the January 1, 2011 submittal to the California Building Standards Commission.
- The final version of the DWR prepared handbook, "Implementing California Flood Legislation into Local Land Use Planning: A Handbook for Local Communities" was completed in October.

## **FUNCTIONAL AREA 4 FLOOD PROJECTS & GRANTS**

*Flood Protection Projects and Project Grants is responsible for the State's input to project selection and funding. The program is responsible for the majority of physical improvements to the flood management system and provides grant money in the Delta and Statewide. Flood Protection Projects and Projects Grants has been a long-standing DWR base program and is expected to continue indefinitely into the future due to the ongoing need for system improvements and the long-lead time to implement federal flood control projects. The work is based on the acknowledgement that the State will continue to be a significant partner in viable flood management projects in the Central Valley, Delta, and Statewide.*

### **CENTRAL VALLEY FLOOD PROJECTS**

*This element is responsible for the review of flood projects and cost-sharing on federal feasibility studies. It contains three components: Feasibility Studies, Early Implementation Program (EIP) Projects, and Flood Control Projects.*

### **USACE/CVFPB FEASIBILITY STUDIES**

The State participates and provides cost-share for feasibility studies with USACE and local partners. Several studies are underway and new ones are expected in the near future.

### **American River Common Features GRR**

The American River Watershed Common Features Project will provide flood improvements for lower American River downstream of the Folsom Dam, Sacramento River downstream of Natomas Cross Canal, and the Natomas Cross Canal to a 200-year level of flood protection. The Post Authorization Change Report (PACR) evaluates alternative plans for the levee system protecting the Natomas Basin and acts as an interim general reevaluation study to the General Reevaluation Report (GRR).

- The PACR has been approved by the U. S. Army Corps of Engineers (USACE) Civil Works Review Board.
- Independent External Peer Review (IEPR) comments have been received and responded to and the final report is expected be complete by December, in time for a possible WRDA 2010.

### **Frazier Creek/Strathmore Creek Feasibility Study**

The Frazier Creek/Strathmore Creek Feasibility Study will generate an Environmental Impact Study/Environmental Impact Report (EIS/EIR) and Feasibility Study to evaluate federal, State, and local interests in planning, designing, mitigating, and improving existing levee system of Frazier Creek/Strathmore Creek in Tulare County.

- At the September 2010 meeting, the Central Valley Flood Protection Board (Board) approved a Letter of Intent to enter into a cost-sharing agreement with USACE to conduct a feasibility study.

### **Lower San Joaquin River Feasibility Study**

Representatives from San Joaquin County, San Joaquin Area Flood Control Agency (SJAFCA), the Board, USACE, and other local interests have worked together to prepare a Project Management Plan (PMP), a draft amendment to the Feasibility Cost-Sharing

Agreement (FCSA), and a draft Local Feasibility Cost-Sharing Agreement (LFCSA). The cost estimate for the study is \$10.6 million with a project completion date of 2016.

- The FCSA amendment and LFCSA have been signed and are being processed by the DWR Contracts Office and DGS.
- Scoping for a preliminary analysis focusing on the metropolitan Stockton area including hydrology and hydraulics (H&H), geotechnical, economics, and planning has been completed. The Project Delivery Team (PDT) is working on a revised schedule and cost estimate for the study to reflect the focus of the preliminary analysis.
- \$2,000,000 in federal funding was requested for Fiscal Year 2011; however, the House only approved \$600,000 and the Senate \$500,000.
- In October 2010, representatives from SJAFCA will be in Washington to push for study inclusion in the President's budget by highlighting several points including connections to other Delta efforts.
- Revisions to the study cost estimate, which have yet to be approved, indicate a possible escalation of study costs to \$14.5 million.

### **Merced County Steams Project-Bear Creek GRR**

This Project's purpose is to evaluate options to increase the level of flood protection from a 1-in-50-year event to a 200-year event for the Merced Urban Area.

- USACE is completing the PMP and hopes to have a draft agreement for review by the study sponsors this month.

### **Rock Creek/Keefer Slough Feasibility Study**

The Rock Creek/Keefer Slough Feasibility Study will generate an EIS/EIR and Feasibility Study to evaluate federal, State, and local interests in planning, designing, mitigating, and improving existing levee system of White River and Deer Creek in Butte County.

- At the September 2010 meeting, the Board approved a Letter of Intent to enter into a cost-sharing agreement with USACE to conduct a feasibility study.

### **Sutter Basin Feasibility Study**

This multipurpose Feasibility Study aims to address levee improvement measures for existing levee systems as well as environmental restoration and recreation opportunities.

- Amendment No. 1 to the FCSA and the LFCSA is being processed by the Contracts Office.
- USACE estimates optimal funding of only \$330,000 for FY10/11 so PDT meetings will now consist of only essential members.
- A Schedule and Cost Change Request (SACCR) is being discussed at PDT meetings and will be drafted once budget and schedule are determined.

### **West Sacramento General Reevaluation Report**

The GRR is studying future work necessary to provide a minimum of 200-year level of protection for the City of West Sacramento. West Sacramento Area Flood Control Agency (WSAFCA) and USACE continue to make progress on the project under the existing two-party agreement.

- The three-party FCSA was signed by the Board in July 2010; thereby, adding the Board as a project sponsor.

- Alicia Kirchner (USACE) made a presentation to the West Sacramento City Council on October 6<sup>th</sup>.
- The HEC-RAS model for the North Basin is up and running and the model for the South Basin is under advanced development.
- The study team is working toward completing the F3 milestone (assessment of current conditions), which should be completed in early 2011.

### **West Stanislaus County - Orestimba Creek Feasibility Study**

The Orestimba Creek Feasibility Study will evaluate feasible flood protection alternatives for the City of Newman and the surrounding agricultural areas to achieve a 200-year level of flood protection.

- No new information.

### **White River/Deer Creek Feasibility Study**

The White River/Deer Creek Feasibility Study will generate an EIS/EIR and Feasibility Study to evaluate federal, State, and local interests in planning, designing, mitigating, and improving existing levee system of White River and Deer Creek in Tulare County.

- At the September 2010 meeting, the Board approved a Letter of Intent to enter into a cost-sharing agreement with USACE to conduct a feasibility study.

### **Woodland/Lower Cache Creek Feasibility Study**

USACE will develop alternatives for a new Feasibility Study to determine if there is a National Economic Development (NED) plan that is federally justified and fits in the State Plan of Flood Control. The Feasibility Study will continue efforts suspended in 2004 after local resistance to the USACE-selected Flood Barrier Option alternative. USACE estimates that the new Feasibility Study will be complete in 2017 with design of a selected alternative to commence in 2017.

- The State's signed Financial Self Certification was emailed to USACE on September 22, 2010.
- The FCSA has been reviewed by both non-federal sponsors and comments given to USACE. The FCSA is at the USACE South Pacific Division for the second round of review. The review by USACE will not be completed in time for the October Board meeting and is tentatively scheduled for November's Board meeting.
- FloodSAFE Yolo has scheduled a joint meeting and field trip to the project area that will include Congressman Herger and Colonel Leady on October 26, 2010.

### **Yuba River Basin Project GRR**

The Yuba River Basin Project consists of increasing the level of flood protection in the Yuba River Basin communities of Marysville, Linda, Olivehurst, and Arboga.

- No new information.

### **EARLY IMPLEMENTATION PROGRAM (EIP) PROJECTS**

EIP includes projects that are ready to proceed in advance of the Central Valley Flood Protection Plan (CVFPP). An element for approval of these projects ensures that they do not eliminate opportunities or prejudice flood risk reduction alternatives that would provide regional or system-wide benefits.

**Reclamation District 2103 - Bear River Levee Improvement (RD-2103)**

- The project is in closeout.

**Levee District 1 - Setback Levee at Starbend Feather River (LD-1)**

- LD-1's Operation, Maintenance, Rehabilitation, Repair, and Replacement (OMRR&R) Agreement was presented to the Board on September 23, 2010 and was conditionally approved until an additional statement is added to the Agreement that assures LD-1 will produce an acceptable long-term management plan.

**Reclamation District 17 - 100-Year Seepage Area Project (RD-17)**

- The Board and DWR both sent letters to RD-17 to revoke their Board permit and stop EIP funding until previously requested items are received, reviewed, and approved. The Board and DWR have had multiple meetings with RD-17 to resolve issues.

**Three Rivers Levee Improvement Authority – Feather River (TRLIA-FR)**

- Major construction has been completed and the contractor's (Teichert) tentative schedule for final demobilization is October 18, 2010.

**Three Rivers Levee Improvement Authority - Upper Yuba River (TRLIA-YR)**

- No new information.

**Sacramento Area Flood Control Agency - Natomas Cross Canal (SAFCA-NCC)**

- SAFCA has submitted their 8<sup>th</sup> Quarter Progress Report and 10<sup>th</sup> Quarter Work Plan for review.
- A payment on the Brookfield Dunmore land swap is still on hold.
- SAFCA is preparing a project closeout request for NCC 1 and 2.

**Sacramento Area Flood Control Agency - Capital Outlay (SAFCA-CO)**

- SAFCA has submitted their 6<sup>th</sup> Quarter Progress Report and 8<sup>th</sup> Quarter Work Plan for review.
- SAFCA has recently submitted multiple properties for reimbursement and payments will be processed for payment.
- Work continues on the Sacramento River near the area of Teal Bend Golf Course.

**West Sacramento Area Flood Control Agency - Capital Outlay (WSAFCA-CO)**

- WSAFCA is coordinating with USACE in responding to various comments to the EIR/EIS; however, the official response may be delayed because of lengthy comments on the EIR/EIS made by DWR and other agencies.
- Non-governmental organizations and public/appointee entities submitted 68 comments on the document.
- The majority of the comments were specific to the USACE vegetation policy and The Rivers development project.

- Due to the comments received challenging the Vegetation Policy, WSAFCA is now considering removing the programmatic analysis from EIR/EIS, thereby eliminating programmatic application of the vegetation policy.
- The EIR/EIS will be revised to address the “project-specific” CHP Academy and The Rivers projects.

## **USACE/CVFPB PROJECTS**

The State continues to participate with USACE on non-federal cost-share funding for projects to upgrade the State-federal flood management system in the Central Valley. These repairs are commonly referred to as the WRDA 1996 Remaining Sites work.

### **American River Common Features Project**

The American River Common Features Project is improving the levee system along the American and Sacramento Rivers in Sacramento.

- The design for site R-5 has been completed with construction planned for 2011.
- Construction at Jacob Lane and Reach B is scheduled for completion by the end of October with L-12 is scheduled for completion by the end of November.
- The contract for the Re-Vegetation Project near the Mayhew Channel has been awarded and work is scheduled to start in October.
- The design contract for the Five Remaining Sites Project is underway and the first task is to perform additional remediation of geotechnical analysis at two of the sites.

### **Folsom Dam Modifications (Joint Federal Project)**

The Folsom Dam Modifications Project (Folsom Dam Joint Federal Project) provides Flood Damage Reduction and Dam Safety benefits to Sacramento.

- USACE awarded the control structure construction contract to Granite Construction Company on September 24, 2010.
- The low bid was \$125 Million which was \$95 million less than the USACE's estimate of \$220 million.
- The contract has a 45-month performance period.

### **Marysville Ring Levee Improvement Project**

The Marysville Ring Levee Improvement Project is a separable element of the authorized Yuba River Basin Project. Once completed, the residents within the levees surrounding the City of Marysville will be afforded a high level of protection significantly sooner than the overall Yuba River Basin Project.

- The USACE, DWR/CVFPB, Yuba County Water Agency, and the City of Marysville had a ribbon-cutting ceremony on September 20, 2010.
- The construction contract for Phase 1 has been awarded and mobilization is imminent.
- The design for Phases 2 through 4 has been initiated.



### **Mid-Valley Area Levee Reconstruction Project**

The Mid-Valley Reconstruction Project extends from the Tisdale Bypass to the Sacramento Bypass and includes levees on Sacramento River, Feather River, Yolo and Sutter Bypasses, and Knights Landing Ridge Cut.

- An effort is under way to get construction started next year, despite the lack of anticipated federal appropriations of federal cost-share funds, for portions of Contract Area 3 (Knights Landing Ridge Cut Drainage District). The goal is to utilize non-federal sponsor resources through A&E contracts for preliminary acquisition and utility relocation deliverables.

### **South Sacramento Streams Project**

The South Sacramento County Streams Project will increase the level of flood protection from 1-in-50-year to a 1-in-200-year for the urbanized area of South Sacramento County and an area to the south and east of the City of Sacramento including the Morrison, Florin, Elder, and Unionhouse Creek watersheds.

- No new information

### **West Sacramento Area Project, Slip Repair**

Geotechnical analysis for the repair of two Yolo Bypass east bank levee slips is complete. The design for the north slip repair site is under way at USACE. Construction of the northern site repair is currently scheduled for the 2011 construction season.

- No new information

### **STATEWIDE FLOOD PROGRAMS**

*The Statewide Flood Programs provide financial support to local entities for flood and ecosystem restoration related projects throughout the State. These programs include Flood Corridor Program, Flood Control Subventions Program, Local Levee Assistance Program, and Yuba-Feather Flood Protection Program.*

### **FLOOD CORRIDOR PROGRAM (FCP)**

The Flood Corridor Program provides local assistance grants to local governments, special districts, and non-profit organizations for flood risk reduction projects using non-structural methods. Each project must also include an ecosystem restoration or agricultural land conservation component.

- Continuing to manage existing projects and making progress toward executing funding agreements for new projects.

### **FLOOD CONTROL SUBVENTIONS PROGRAM (FCSP)**

The Flood Control Subventions Program provides financial assistance to local agencies cooperating in the construction of federally authorized flood control projects outside of Central Valley and State Plan of Flood Control.

- Five claims for \$4,943,624 were processed in the month of September 2010, and six claims are currently under review.
- One new claim was received for a total of \$4,800,610; claim is pending.
- The Program coordinated with various USACE district offices to make the program more efficient and effective in the future.
- Staff is continuing to update Program Guidelines.

### **LOCAL LEVEE ASSISTANCE PROGRAM (LLAP)**

LLAP provides financial assistance to local agencies to evaluate and perform urgent repair on their flood control facilities outside of Central Valley and State Plan of Flood Control.

- Amendment No. 1, which extends the term of funding to the Local Levee Evaluation of the Del Norte County Klamath Glen Levee Geotechnical Investigation agreement, has been sent to the local agency for signature. The decision memo for formal approval has been signed by the DWR director.
- Marin County's first invoice for \$75,838.95 (Contract Number 4600008841) was approved and the payment is being processed by the Budget Office.
- Orange County Department of Public Works received the reimbursement check for the Local Levee Urgent Repair Project on San Juan Creek Levee and a check for the retention amount has been sent to Orange County. A formal project closeout letter has been drafted.
- The City of Fairfield's invoice was approved for the Dan Wilson Creek Levee Geotechnical Investigation and payment is being processed at the Budget Office.

### **YUBA-FEATHER FLOOD PROTECTION PROGRAM (YFFPP)**

YFFPP provides Proposition 13 financial assistance to local entities demonstrating non-structural flood management projects showing a potential significant reduction of peak flood flows, flood stage, flood risk (including wildlife habitat enhancement and/or agricultural land preservation) on the Yuba and Feather Rivers.

- A draft YFFPP Management Plan was prepared.
- A 2011/12 BCP for YFFPP was revised to request an additional \$1,307,748.43 for local assistance.
- Preparation of YFFPP project binders and project closeout process has been on-going.
- A project binder was prepared for independent auditing of one of TRLIA projects, per auditors requirement and need.
- The Sutter County (County) Agreement committing up to \$650,000 for reimbursement of local share pending review by Sutter County for the indemnification clause, which the County has asked DWR to remove from the contract.
- A Sutter County Feasibility Study Agreement invoice (Contract Number 460004637) for \$389,140.88 was expedited for payment.
- Yuba County Water Agency's first invoice for the Forecast Coordinated Operations (FCO) Implementation Grant Agreement is pending DWR transfer of monies from the original FCO Design Agreement to the new FCO Implementation Agreement account.
- State Controllers Office has denied one invoice (\$9,666.91) for the YCWA Feasibility Study because of the questionable contract expiration date. DWR Legal has been asked to review language in the contract to confirm the contract expiration date.
- A Sutter County/Sutter Butte submittal for a new environmental task order for the Feasibility Study Funding Agreement was reviewed and approved for execution by USACE.

## **PROGRAM SUPPORT**

*The program support function is designed to ensure the various programs and their projects receive sufficient technical and administrative support to be successful. These support functions are Grant Guidelines, Environmental Services, Technical Assistance, and Federal Coordination.*

## **GRANT GUIDELINES**

EIP, FCP, LLAP, and FCSP are updating their program guidelines.

- The Final EIP Guidelines and a Project Solicitation Package (PSP) will to be released to the public in late October or November 2010. EIP staff has finalized standard project closeout requirements as some initial EIP projects are currently in the closeout phase. In addition, the standard invoice processing procedures are being updated to ensure invoices contain sufficient detail to satisfy State auditors.
- The FCP Draft Guidelines were signed and released for public comment. Workshops have been scheduled in Red Bluff, Sacramento, and Riverside, with public comments due November 1.
- The LLAP Guidelines will be revised in 2010. A new PSP will be posted in 2010 for \$50 million in new grant funding.
- YFFPP Guidelines for a new PSP is drafted and pending final determination of available funds.

## **ENVIRONMENTAL SERVICES**

FCP has a number of environmental resources that provide technical assistance to various FPO projects.

- Ongoing regulatory permitting support is being provided with specific information as reported under individual projects.

## **TECHNICAL ASSISTANCE**

LLAP has resources to provide technical assistance in flood modeling, GIS, and databases to various programs in FPO.

- Developed GIS information in assistance to FY 2011 project development budget item preparation.

## **DELTA FLOOD PROJECTS**

*This is a grants program that works with more than 60 reclamation districts in the Delta and Suisun Marsh to maintain and improve the flood control system and provide protection to public and private investments in the Delta including water supply, habitat, and wildlife. The program, through its two major components; Delta Levees Maintenance Subventions Program and Delta Levees Special Flood Control Projects, works with the local agencies to maintain, plan and complete levee rehabilitation projects. One of the requirements to qualify for available funds is the project to result in no net loss of habitat in the Delta. Additional responsibilities under the Bay-Delta Levees Branch are in support of the levee system and habitat development; improve the flood fight capability of the Delta through planning, cooperative efforts, encouraging the development of emergency response plans for each Delta island, and conduct studies and contract efforts necessary for program purposes.*

## **DELTA LEVEES MAINTENANCE SUBVENTION PROGRAM**

DWR staff, on behalf of the Central Valley Flood Protection Board, initiates and manages work agreements to fund levee maintenance and rehabilitation. To date, the status of work agreements is as follows:

### **Work Agreements for FY 2008/09**

- No new information.

### **Work Agreements for FY 2009/10**

- No new information.

### **Work Agreements for FY 2010/11**

- At the September meeting, the Board approved reimbursement and advance amounts for 68 applicants.
- Work agreements will be mailing to local levee maintaining agencies for their signatures in October.

## **DELTA LEVEES SPECIAL FLOOD CONTROL PROJECTS**

DWR initiates and manages project funding agreements in support of local agencies' levee rehabilitation, habitat, or other projects. DWR is executing agreements authorizing the work proposed under the FY 2008/09 Project Solicitation Package.

- No new information.
- Current, up to date information can be found at:  
<http://www.water.ca.gov/floodmgmt/dsmo/bdlb/spp/>

## **FUNCTIONAL AREA 5 EVALUATION & ENGINEERING**

*Evaluation & Engineering is a FloodSAFE Functional Area established to address assessments of existing flood management facilities to identify deficiencies and needed improvements. This is a new Functional Area that is expected to continue after the FloodSAFE foundational objectives are met. Functional Area activities are performed in partnership with the USACE, which prior to FloodSAFE, conducted most evaluations and engineering for existing facilities. This Functional Area is based on the acknowledgement that changing conditions, new knowledge about system performance, and eventual facility deterioration will demand continued evaluation and engineering services.*

### **URBAN LEVEE EVALUATION (ULE)**

*DWR is required to evaluate the current level of performance of the State-federal flood protection system in the Central Valley. Urban levees are levees that provide protection to developed areas that with a population of at least 10,000 people. The evaluation of current urban levee performance is to include an estimate of the risk of levee failure, a discussion of the inspection and reviews performed, and recommendations regarding the levees and future work activities. The geotechnical engineering being performed will help flood managers understand the overall flood risks to populated areas in the Central Valley and consider alternative changes to the flood management system to better manage the risks.*

ULE is evaluating 470 miles of urban levees for hidden defects. The 470 miles include State-Federal project levees as well as associated non-project levees that provide protection to urban areas receiving some protection from the State-Federal flood system. Urban levees are being evaluated to determine whether they meet defined geotechnical criteria and, where needed, identify remedial measures, including cost estimates, to meet the defined geotechnical criteria. The information being developed will be used in support of the Central Valley Flood Management Planning Program to inform development of two required documents: the Flood Control System Status Report and the Central Valley Flood Protection Plan.

<b>Geotechnical Evaluation Reports</b>			
<b>Study Area</b>	<b>% Complete</b>	<b>Study Area</b>	<b>% Complete</b>
Chico	25	NEMDC East	35
Marysville	40	Natomas	15
Sutter	35	Bear Creek	15
RD 784	40	Calaveras River	15
Davis	10	RD 404	20
Woodland	10	RD 17	40
American River	40	Stockton Non-Project	5
West Sacramento	85	W. Sac. Non-Project	4
Sacramento River	45	South Sac. Streams	3

- Urban Levee Evaluations are 63% complete
- Drilling occurred in NEMDC East and RD 404 as well as on the Stockton non-project levees

### **NON-URBAN LEVEE EVALUATION (NULE)**

*DWR is required to evaluate the current level of performance of the State-federal flood protection system in the Central Valley. Non-urban levees are levees that provide protection to agricultural areas and developed areas with a population of less than 10,000 people. The evaluation of current system performance is to include an estimate of the risk of levee failure, a discussion of the inspection and reviews performed, and recommendations regarding the levees and future work activities. The geotechnical engineering being performed will help flood managers understand the overall flood risks to populated areas in the Central Valley and consider alternative changes to the flood management system to better manage the risks.*

NULE is evaluating 1,620 miles of non-urban levees for hidden defects. The non-urban levees being evaluated include State-Federal project levees and associated non-project levees that also provide protection to non-urban areas receiving some protection from the State-Federal flood protection system. Non-urban levees are being evaluated to determine whether they meet defined geotechnical criteria and, where needed, identify remedial measures, including cost estimates, to achieve the defined geotechnical criteria.

The information being developed will be used in support of the Central Valley Flood Management Planning Program to inform development of two required documents: the Flood Control System Status Report and the Central Valley Flood Protection Plan.

- Non-Urban Levee Evaluations are 35% complete.

### **TECHNICAL REVIEW**

*Geotechnical analyses are being conducting on behalf of the CVFPB on an “as-needed” basis and to support proposed and ongoing capital improvement projects. Collaboration with the USACE is occurring with on-going geotechnical studies, including review of associated documents that may impact the CVFPP.*

No new information.

### **TECHNICAL POLICY**

*A statewide seismic policy is being developed for levee performance, emergency levee remediation, and long-term levee remediation. Interim Levee Design Criteria are also being developed to guide local urban levee improvement projects. Research is being conducted to resolve gaps in knowledge associated with the effects that woody vegetation growing on or near levees has on levee integrity; and provide technical support for the development of vegetation management policies as part of the CVFPP.*

No new information.

## **FUNCTIONAL AREA 6 FLOOD MANAGEMENT PLANNING AND CONSERVATION STRATEGY**

*The Flood Management Planning and Conservation Strategy Functional Area refer to the planning and analysis necessary to evaluate flood systems as complete systems consistent with the intent of the FloodSAFE Implementation Plan rather than a set of individual, isolated projects. This functional area consists of three elements: Central Valley Flood Management Planning (CVFMP) Program, Statewide Integrated Flood Management Planning, and Conservation Strategies.*

### **CENTRAL VALLEY FLOOD MANAGEMENT PLANNING (CVFMP)**

*The CVFMP Program is one of several programs being managed within FloodSAFE California. The CVFMP Program addresses most of the flood-related planning activities that were authorized by the Legislature during the 2007/2008 session within much of the Central Valley. The CVFMP Program consists of two primary projects – State Plan of Flood Control (SPFC) and the Central Valley Flood Protection Plan (CVFPP).*

### **STATE PLAN of FLOOD CONTROL (SPFC)**

The SPFC includes two major deliverables: (1) SPFC Descriptive Document and (2) flood Control Systems Status Report (FCSSR).

#### **SPFC Descriptive Document (SPFC DD)**

The SPFC DD is an inventory and description of the State-federal flood protection system in the Central Valley.

- The 2010 SPFC DD is scheduled for release November 1, 2010.

#### **Flood Control System Status Report (FCSSR)**

The FCSSR will describe a number of factors associated with current status of the SPFC and recommendations of future work activities.

- Text and graphics are being revised in response to comments received from the internal Policy Review Draft distributed to key DWR staff in mid September.
- The Final Policy Review Draft is anticipated to be complete in December.
- The need for a Governor's Office Action Request (GOAR) is currently being evaluated and may affect for release of the Public Review Draft.

### **CENTRAL VALLEY FLOOD PROTECTION PLAN (CVFPP)**

The CVFPP reflects a system-wide approach to protecting lands currently protected from flooding by the SPFC. The initial plan is to be completed by January 1, 2012, and updated every five years thereafter.

#### **Planning Activities**

- Phase 2 of the 2012 CVFPP is scheduled for completion in December of 2010. This phase focuses on developing management actions that contribute to the goals and objectives identified in Phase 1.
- Phase 3 of the 2012 CVFPP will focus on developing regional solutions by identifying regional priorities and combining retained Phase 2 management actions to address those priorities. The CVFPP Project Deliver Team is currently developing meeting materials and evaluation methods for use in Phase 3 work groups.

- The Programmatic EIR (PEIR) for the CVFPP will include an Environmental Justice discussion consistent with California Natural Resources Agency Environmental Justice Policy.
- A draft Notice-of-Preparation is undergoing internal DWR review with public release scheduled for late October 2010 and scoping meetings in mid November.
- A Status Report on the progress and development of the CVFPP (California Water Code §9610(c)) is scheduled for posting to the Board's website in December 2010.

### **CVFPP Communication and Engagement**

- Meeting 3 for the five Phase 2 Regional Management Actions Work Groups are scheduled to be held November 9, 10, and 17.
- A Valley Wide Forum is scheduled for December 9, 2010.

### **STATEWIDE INTEGRATED FLOOD MANAGEMENT PLANNING**

*The Statewide Integrated Flood Management Planning Program will assess the flood risk to life and property statewide, and develop and guide the state's flood risk management strategic policies and investment decisions. The program will inventory existing and future flood management needs in the state's regions, identify opportunities for integrated flood management, and formulate potential flood management solutions. The major work product is a report titled "Recommendations for Improving and Sustaining Integrated Flood Management in California" (Recommendations Report). In addition, Statewide Flood Planning includes integration of flood-related information into the California Water Plan.*

### **CONSERVATION STRATEGIES**

*The Conservation Strategies Element is designed to provide support and integrate environmental stewardship into the CVFMP Program. Therefore, major progress, such as the status of key documents, progress on major milestones, and upcoming events, is described under the Central Valley Flood Management Planning section above.*

### **CONSERVATION STRATEGY**

Staff is continuing to develop and refine the scope, (e.g. goals, components, etc.) and schedule for the Conservation Strategy and is coordinating with other FloodSAFE programs to solicit input.

### **REGIONAL CONSERVATION PLANNING**

#### **Vegetation Obligations**

- Work on implementing direction from the Levees Improvement Framework related to vegetation on levees continues.
- Inspection standards are being clarified with Flood Management.
- Coordination with the US Fish and Wildlife Service to determine VELB inspection criteria is on-going.
- Mitigation options related to habitat removal and inspection standards are being explored.



### **Regional Advanced Mitigation Planning (RAMP)**

- A presentation about RAMP is being prepared for the October 21, 2010 meeting of the Strategic Growth Council. The Council is a cabinet level committee that meets monthly to coordinate the activities of state agencies and to provide guidance on how communities and related-infrastructure can grow strategically (<http://www.sgc.ca.gov/>). Briefings for DWR management and executives are underway as part of the preparation.
- A Statewide Framework for RAMP is being drafted that clarifies problems to be solved, benefits of a RAMP approach, key components of this mitigation planning, and options for addressing key regulatory, funding, and other issues.

### **Corridor Management Planning**

- Goals for the Lower Feather River Corridor Management Plan being refined including modeling/data collection needs.

### **SCIENTIFIC AND PLANNING INFORMATION**

Baseline biological and ecological information (e.g. lists of species, habitats and ecosystem processes, habitat mapping, etc.) are being developed for the Conservation Strategy and coordinated with other FloodSAFE programs with regard to similar information being developed for the CVFPP and the associated CEQA document.

### **COMMUNICATION, ENGAGEMENT AND PARTNERSHIPS**

The Delta Habitat Initiatives Managers Team is supporting a monthly partnership meeting of Delta habitat restoration efforts. A draft summary of these projects is being developed.

## **FUNCTIONAL AREA 7    LEGISLATION, BUDGETS, AND COMMUNICATION**

*The primary goal of the Legislation, Budget, and Communication functional area is to facilitate legislation, budget, and communication matters to aid the efficient work of all functional areas in improving flood safety. This functional area will work to secure sustainable funding to implement the FloodSAFE initiative and to secure legislative support for all other functional areas that must continue indefinitely into the future. It is also responsible for coordination and public outreach consistency.*

### **COMMUNICATION AND BRIEFING MATERIALS**

*While each functional area will conduct some of its own coordination and outreach on individual programs, the Communication element of area 7 provides assistance and support to ensure consistency. Communications and coordination take place internally, as well as externally with partner agencies on various aspects of the FloodSAFE program; including status updates, achievements and accomplishments, and upcoming milestones, with frequency ranging from weeks to years.*

No new information.

### **FUNDING ADVOCACY & AGENCIES' ALIGNMENT**

*Effective coordination between State, federal, and local agencies will be required at all stages from project concept through completion of construction. FloodSAFE implementation will not be possible without federal funding. Proposition 1E requires that the State secure the maximum feasible amounts of federal and local matching funds. This group will, in coordination with DWR Executive Office, serve as the primary State advocate for securing the necessary federal funding. Primary federal partners also include USACE and FEMA.*

The Federal Advocacy Program team, in coordination with the Central Valley Flood Protection Board, traveled to Washington D. C. the week of October 11 to meet with the Office of Management Budget (OMB), as well as key Congressional and committee staff. Issues to be addressed include:

- Coordination of Corps of Engineers FY 2012 Optimal Funding Levels for the Cost Shared Flood Control Projects.
- Legislative proposal for revised federal crediting rules to be included in the next Water Resources Development Act (WRDA).

### **LEGISLATION LIAISON & LEGAL**

*The Legislature is a key player in the implementation of the FloodSAFE initiative. Effective communication and reporting of plans and progress will aid the Legislature in funding flood management activities and with direction for future implementation. This element will also address legal issues that need to be resolved for progression of the FloodSAFE initiative.*

No new information.

### **PROGRAM MANAGEMENT, BUDGET, & FISCAL SERVICES**

*DWR is accountable for efficient management and expenditure of State funds. Preparing bond budgets and tracking of bond expenditures is essential to document investments of taxpayer dollars. This element provides overall management support to the other functional areas, including program management activities, strategic and implementation plans, detailed budget preparation, and contracts, funds and invoice tracking.*

No new information.

### **FLOODSAFE PROGRAM ADMINISTRATION & COORDINATION SERVICES**

*This element includes all administrative and coordination work required for FloodSAFE implementation, including human resources activities, policy document review, and FloodSAFE governance activities, including managing working groups and coordination teams within DFM and DWR.*

No new information.